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DERWENT-ACC-NO: 1966-40424F
DERWENT-WEEK: 196800
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TITLE: Anti-tumour substance from alkaline extrn of grasses

PATENT-ASSIGNEE:

ASSIGNEE

KAKEN CHEM CO LTD

CODE

KAKE

PRIORITY-DATA: 1966JP-0015562 (March 14, 1966)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 69023346 B

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ABSTRACTED-PUB-NO: JP69023346B

BASIC-ABSTRACT:

Process for the extrn. of an anti-tumour substance (I) from grasses (II) e.g maize, sugar cane, barley, wheat, bamboo, where (II) are treated with a cold 1-4N alkaline soln. e.g KOH, NaOH, Ca(OH)₂, Ba(OH)₂, NH₄OH etc. at 10-30 deg.C (pref. 20 deg.C) for > 24 hrs. The extract is filtered, solid material is re-extd. with the alk. soln. and the combined filtrates are treated with an aqs. sol. organic solvent e.g acetone, lower alcohol to ppt (I). This is dissolved in H₂O and re-ppted. with an inorganic salt e.g (NH₄)₂SO₄, Na₂SO₄, MgSO₄, ZnSO₄, (Al)₂(SO₄)₃. (I) is then further purified by ion exchange chromatography or by dialysis. The product is an amorphous yellow powder.

(I) has anti-tumour activity.

TITLE-TERMS: ANTI TUMOUR SUBSTANCE ALKALINE EXTRACT GRASS

DERWENT-CLASS: B00

CPI-CODES: B04-A07F; B12-G07;

CHEMICAL-CODES:

Chemical Indexing M0 *01*

Fragmentation Code

V400 V406 N160 P631 P633 P634 M423 M900